

~~PERE, P.~~

Ten years of creative searching. Sov. foto 18 no.5:30-32 My '58.
(Photography) (MIRA 11:5)

PEREITOVA, M.A., kand.med.nauk (Sverdlovsk)

Preventive examinations of the population. *Sov.zdrav.* 20 no.2:
65-68 161. (MIRA 14:5)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta tuberkuleza
(dir. - prof. I.A.Shaklein, zav. direktora po nauchnoy chasti -
kandidat meditsinskikh nauk N.G.Butkin).
(TUBERCULOSIS—PREVENTION)

PEREBAYLOV, V.

Transitional ring for an enlarger. Sov. foto 18 no.9:46
S '58. (MIRA 11:10)
(Photography--Enlarging)

PEREBEYNOS, F.G., burovoy master.

~~Changing casing lines. Neftianik 3 no.3:7 Mr '58.~~

(MIRA 11:5)

1. Kontora bureniya No.2 Tatburneft'.
(Hoisting machinery)

LUPAL, Nikolay Vasil'yevich; BOSIN, Matvey Itskovich; PEREBOROV,
Aleksandr Sargayevich; SMIRNOVA, Appolinariya Vasil'yevna;
Tyler, Aleksandr Aleksandrovich; TSUKANOV, T.T., kand.
tekhn.nauk, retsenzent; SHUPOV, V.I., kand.tekhn.nauk,
retsenzent; GLUZMAN, I.S., kand.tekhn.nauk, red.;
USENKO, L.A., tekhn.red.

[Theoretical principles of automatic and remote control]
Teoreticheskie osnovy avtomatiki i telemekhaniki. By N.V.
Lupal i dr. Moskva, Vses.izdatel'sko-poligr.ob'edinenie
M-va putei soobshchenia, 1961. 414 p.

(MIRA 14:12)

(Automatic control)

(Remote control)

CZARNECKA, Wanda; PEREC, Mieczyslaw; WEGLARCZYK, Anna

Electrochemical properties of zirconium chloride solutions
in ethyl alcohol. *Rocz chemii* 36 no.3:503-512 '62.

1. Department of Analytical Chemistry, Department of Chemical
Technology, Institute of Nuclear Research, Polish Academy of
Sciences, Warsaw.

PEREGINEV, YURIY

DENISOV, Arkadiy Panteleymonovich; PEREGINEV, Yuriy Georgiyevich; LUPACH, V.S.,
redaktor; MYASHNIKOVA, T.F., tekhnicheskii redaktor.

[Russian coast artillery; a historical sketch] Russkaia beregovaya
artilleriia; istoricheskii ocherk. Moskva, Voen.izd-vo M-va obor.
SSSR, 1956. 229 p. (MLRA 10:4)
(Artillery, Coast)

PEREDARIJ, L.

"GP," very strong plaster. p.213. EPITOANYAG. Budapest. Vol. 8,
no. 6, June 1956.

SOURCE: East European Accessions List (EEAL), Library of Congress
Vol. 8, No. 12, December 1956

PEREDERIY, I., kandidat tekhnicheskikh nauk (Kuybyshev).

Reviewing standards for building gypsum. Stroi.mat.2 no.12:32 D
'56. (MLRA 10:2)
(Gypsum--Standards)

PEREVODCHIKOVA, N.I.; SHESTAKOV, S.V., professor, zaveduyushchiy.

Clinical aspects and diagnosis of myocardial microinfarction. Terap.arkh.
25 no.2:33-38 Mr-ap '53. (MLRA 6:5)

1. Kafedra diagnostiki vnutrennykh bolezney Astrakhanskogo meditsinskogo
instituta (for Shestakov). 2. Basseynovaya klinicheskaya bol'nitsa imeni
Solov'eva Nizhnevolzhskogo vodzdravotdela. (Heart--Infarction)

PEREVODCHIKOVA, N. I.

"Electrocardiogram Changes During Angina Pectoris (Stenocardia)
and the Clinical Manifestations and Diagnoses of a Myocardial Microinfarct."
Cand Med Sci, Gor'kiy State Medical Inst, Gor'kiy, 1953. (RZhBiol, No 7,
Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (12)
SO: Sum. No. 556 24 Jun 55

PERCHIN, N.V.

~~Mine timbering~~ with precast reinforces concrete. Gor. zhur. no.1:
43-44 Ja '55. (MIRA 8:7)
(Krivoy Rog--Mine timbering) (Precast concrete construction)

PERCHKE, W. K.

"Vitesse de la transformation polymorphe des formes a et B du nitrate d'ammonium." Perchke, W. K. et Popow, A. N. (p. 363)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 2.

1ST AND 2ND GROUPS																										3RD AND 4TH GROUPS																										5TH AND 6TH GROUPS																									
F 3500. CHARCOAL BRIQUETTES FOR USE IN PORTABLE BURNERS. Perci, I. (Hungarian P. 129,792/1942; abstr. in Chem. Abstr., 1948, vol. 42, 9125). One k.g. finely powdered charcoal is mixed in a rotating drum with 100 c.c. potassium chlorate solution and 100-150 c.c. 4% gum arabic solution, then moulded and dried in vacuo at 60%. Some 4% aqueous phenol or 2% water glass solution may be added.																																																																													
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																																													
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LIST AND INDEX CATEGORIES																									
PROCESSING AND PROPERTIES INDEX													COMMON VARIABILITY INDEX												
ca Charcoal briquets for use in portable burners. Inre Perce Hung. 129,792, July 1, 1942. One kg. finely powd. charcoal is mixed in a rotating drum with 100 cc. KClO₃ soln. and 100-150 cc. 4% gum arabic soln., then molded, and dried in vacuo at 60°. Some 4% aq. phenol or 2% water glass soln. may be added. István Finkly																									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION 190000																									

PERCIC, Vinko, Dr.

Sleep therapy of gastroduodenal ulcers; first results and experiences. Lijec.vjes. 76 no.9-10 439-444 1954.

(PEPTIC ULCER, ther.

sleep ther.,results(Ser))

(SLEEP, ther. use

peptic ulcer (Ser))

PERCIUN, N.

Information theory in electric information. p. 425.

REVISTA CAILOR FERATE. (Caila Ferate Romine) Bucuresti, Rumania.
Vol. 7, no. 8, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960

Uncl.

PERCIUN, N.

Current technique in multiple transmissions of aerial communications. p. 14

REVISTA SAILOR FERATE. (Caile Ferate Romine) Bucuresti, Rumania; Vol. 7, no. 1,
Jan. 1959

Monthly List of East European Accessions (EEAI) IC VOL. 8, No. 9, ^{Sept.} 1959

Uncl.

1

The determination of boric acid, *Hand. Pers. Mag.*
sur. Gyp. pers. Mag. 12, 318 21
 (1930). -- Many samples of conc. H_2BO_3 contain org. im-
 purities. It is proposed to estimate the content of such
 impurities by detn. the reducing power with an alk. soln.
 of $KMnO_4$. S. S. de Melo

ASH-151A METALLURGICAL LITERATURE CLASSIFICATION

CA 118

Titrimetric determination of pyrimidone. Birno-Décs and Julia Lengyel (Munic. Inst. Testing of Materials, Budapest, Hung.). *Magyar Kém. Lapja* 4, 536(1949).—Pyrimidone is easily oxidized. The oxidized pyrimidone is a well defined and relatively stable compd. which can only be further oxidized with strong agents. Pyrimidone (0.01-0.03 g.) is placed in a 50-ml. flask, 10 ml. 5.0 N H_2SO_4 and 10 ml. of 0.1 M ferric ammonium sulfate are added, and the soln. is stored until the produced violet color disappears. Then 10.00 ml. of 0.1 N $Ce(SO_4)_2$ (in 1.0 N H_2SO_4) and 2 drops of a ferroin soln. are added, and the excess $Ce(SO_4)_2$ is titrated with 0.1 M $FeSO_4$ (in 1.0 N H_2SO_4). A blank test should be made to det. the equivalence of $Ce(SO_4)_2$ soln. to $FeSO_4$ soln. The equivalence serves as a basis for calcn. Each ml. of $Ce(SO_4)_2$ soln. is equiv. to 0.00578 g. pyrimidone.

I. Finally

1ST AND 2ND EDITIONS

PROCESSES AND PROPERTIES INDEX

100 AND 4TH EDITIONS

7

ca

Determination of ferrous and ferric ions in presence of each other. *Ernö. Fricz. Magyar Gyógyszerészlud. Tur. szász Ertenője 14, 450-8(1938).*—The soln. is treated with H_2SO_4 , methyl red is added and the Fe^{++} titrated with 0.1 N $Ce(SO_4)_2$ soln. Then pure Al powder is added and, after all the metal has dissolved, the total Fe is detd. by another titration with $Ce(SO_4)_2$ soln. S. S. de Finlay

OPEN

COMMON ELEMENTS

COMMON VARIANTS INDEX

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

SECOND EDITION

1ST EDITION

1ST EDITION

2ND EDITION

3RD EDITION

4TH EDITION

5TH EDITION

6TH EDITION

7TH EDITION

8TH EDITION

9TH EDITION

10TH EDITION

11TH EDITION

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93TH EDITION

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96TH EDITION

97TH EDITION

98TH EDITION

99TH EDITION

100TH EDITION

C4

The role of atomic oxygen in assimilation. Erno Percs (Univ. Tech. Sci., Budapest). *Magyar Kém. Folyóirat* 56, 236-8 (1950).—Tobacco leaves were placed in a soln. of pyrogalllic acid and treated with air, which had been previously treated in a highly efficient ionization chamber, formed from a system of condensers fed by a 50-cycle a.c.

of 7000 v. The O_2 in the air was transformed to at. O by using a peroxide catalyst. In the presence of such activated air pyrogalllic acid was quickly converted to purpurogallin and the green tobacco leaves turned brown in 10-40 min. Neither chlorophyll a nor chlorophyll b could be found in such brown leaves. When imperfectly fermented tobacco leaves were treated similarly by activated air, the smoke of cigarette prepel. from the tobacco had a definitely lower alkyl. The pH of the water into which the smoke was introduced decreased from the original value of 8.2 to 5.4 for leaves treated 60 min. The disagreeable taste of burnt albumin disappeared from the smoke of treated leaves if the treatment lasted at least 15 min. István Finkly

COMMON ELEMENTS										COMMON VARIABLES									
MATERIALS INDEX										PROCESSES AND PROPERTIES INDEX									
The evaluation of ergot of rye. Ernő Percs. <i>Magyar Gyógyszerészek Társaság Értékeit</i> 14, 81-3(1938).—Di- gest 5 g. finely powd. ergot with 20 cc. Pb acetate for 1 hr., shaking several times, filter and ext. with 20 + 10 + 10 cc. ether. Pour off the clear soln., evap., dissolve the residue remains in 5 cc. concd. AcOH, add 2 drops of 1% soln. of FeCl₃ and overlay this soln. on 5 cc. concd. H₂SO₄ acid in a test tube. A violet ring shows the pres- ence of alkaloids. The AcOH soln. may be yellow but should not turn brown. The method is a modification of the test proposed by Keller (<i>Bull. soc. agr. franc.</i> 1807). S. S. de Finály																			
ASH-15A METALLURGICAL LITERATURE CLASSIFICATION										S-2									
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1ST AND 2ND COLUMNS																										3RD AND 4TH COLUMNS																									
COMMON ELEMENTS																										COMMON VARIABLES INDEX																									
17 The preparation and arsenic-binding power of antidotes for arsenic. <i>Ernst Perca, Magyar Gyógyászattud. Tár. 5. sz. 1938. 14. 84-8(1938).</i>—The As-binding powers of FeOCl and FeCl_3 solus. are almost the same. The strongest absorbent seems to be a mixt. of $\text{Fe}(\text{SO}_4)_3 + \text{Mg}(\text{OH})_2$. 500 g. of this could fix 6 g. K. arsenite. Carbonate content up to 10% MgCO_3 had no adverse effect on the As-binding power. The reagent must be freshly prepd., since its As-binding power decreases greatly after 0 hrs. S. S. de Finály																																																			
ASR-11A METALLURGICAL LITERATURE CLASSIFICATION																																																			
1ST AND 2ND COLUMNS																										3RD AND 4TH COLUMNS																									

13

EA

The drugs and the chemical industry of India. Ödön
Percs. Magyar Gyógyszerésztud. Társaság Elnöksége 16,
282-63(1946). S. S. de Finály.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

C A

1

Optical and electrical instruments for temperature measurement. Aladár Pereszli. *Magyar Kém. Lapja* 5, 305-12

(1930).—A description of the various types of instruments used. István Pintér

PERCZYNSKA, I.

"Applying the Kovalov method we exceed the standards." (p.58) PRZEGLAD SKORZANY
(Centraine Zardy Przemyslu Garbarskiego, Obunicznego i Artykulow Skorzanych)
Vol 8 No 1, January 1953

SO: East European Accessions List Vol 3, No 8, August 1954

BARDACH, Janusz; PERCZYNSKA-PARTYKA, Wicislawa

A new classification of clefts of the upper lip, alveolar process and palate. Pol. przegl. chir. 36 no.5:701-705
My '64.

1. Z Kliniki Chirurgii Szczekowo-Twarzowej Akademii Medycznej
w Łodzi i Ośrodka Leczenia Wad Rozwojowych Twarzy (Kierownik:
doc. dr J. Bardach).

RYKOWSKI, Henryk; PERCZYNSKI, A.: BARANSKI, Mieczyslaw.

Streptokinase and streptodornase in surgical infections. Polski tygod. lek. 10 no.21:680-681 23 My '55.

1. Z Oddzialu Chirurgicznego Szpitala, ul. Zelazna 90.) Warszawa: ul. Nowolipki 15 m. 33, blok 46.

(SURGERY, OPERATIVE, complications
infect., ther. streptodornase & streptokinase)
(STREPTODORNASE AND STREPTOKINASE, ther. use
infect., surg.)

PERDENIA, Jerzy, ing.; DALLOS, Kalman [translator]

Optimal factors of mirror finishing of hardened gauge steel.
Gepgyartastechn 2 no.5:190 My '62.

1. Forgacsolasi Kutato Intezet, Lengyelország (for Perdenia).

PERDANIA, Jerzy

Contemporary development trends of highly productive methods
of tooth chasing of cylindrical gears. Przegl naukowo-tech
AGH no.4:59-73 '61.

1. Katedra Technologii Mechanicznej, Akademia
Gorniczo-Hutnicza, Krakow.

NIKOLAYEV, A.G.; PEREBINOS, S.M.; PANUTSA, L.

Variability of the chemical characteristics in *Mentha sachalinensis*. Trudy po khim.prirod soed. no.5:93-104 '62. (MIRA 16:11)

1. Laboratoriya biokhimi i efironosov Kishinevskogo gosudarstvennogo universiteta.

KONDRAT'YEV, Ye.M.; PEREZHYNOS, V.F.

Design improvement of open-hearth roof suspension. Metallurg
5 no.3:13-14 Mr '60. (MIRA 13:7)

1. Stalinskiy metallurgicheskiy zavod.
(Open-hearth furnaces--Design and construction)

REDIN, N., polkovnik; PEREBORSKIY, G., inzhener-polkovnik

Equipment familiarization training for cadets. Voen. vest. 41
no.11:70-72 N '61. (MIRA 16:11)

ACC NR: AP6036816

SOURCE CODE: UR/0368/66/005/005/0687/0689

AUTHOR: Gordeyev, D. V.; Ostapchenko, Ye. P.; Perebyakin, V. A.

ORG: none

TITLE: Selection of the geometrical dimensions for gas-laser resonators

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 5, 1966, 687-689

TOPIC TAGS: laser, gas laser, laser optics

ABSTRACT: A formula is derived which makes it possible to calculate the possible difference frequencies in multimode operation for different resonator sizes. These data can be used in plotting diagrams for selecting a gas laser resonator with a given number of difference frequencies in a definite region of the spectrum. The particular case of the selection of dimensions for the resonator of a laser intended for use in a phototelemeter as a light source was investigated. If the radiation modulation has a frequency of approximately 10 Mcps, then the difference frequencies should be eliminated in the range from 0 to 50 Mcps. The length of the resonator should be at least 0.2 m; it should not exceed 0.4 m. The mirrors can have curvature radii of 0.5, 1, and 2 m. When mirrors with curvature radii of 0.1 or 0.2 m are used, any length of resonator in the range from 0.2 to 0.4 m can be selected. When mirrors with a curvature radius of 0.5 m are used, the optimum resonator length is 0.3 m. A reduction of the resonator length up to 0.2—0.25 m is possible only when

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UDC: 621.375.9

Card 2/2

PEREC, Mieczyslaw

Electroreduction of uranium (VI) compounds in carbonate solutions.
Nukleonika 6 no. 5:357-369. '61

1. Instytut Badan Jadrowych PAN, Warszawa, Zaklad Technologii Chemicznej.

24133

P/046/60/005/009/004/006

D241/D302

21.4100

AUTHORS: Perec, Mieczysław, Mucha, Franciszek and Debiński,
Apoloniusz

TITLE: Production of uranium by reducing UF_4 with
metallic calcium

PERIODICAL: Nukleonika, v. 5, no. 9, 1960, 559 - 568

TEXT: This work was aimed at the eventual production of "nuclear
purity" uranium, containing $B \leq 0.1$, $Cd \leq 0.15$, $Li \leq 0.1$, $Co \leq 5$,
 $Mn \leq 15$, $V \leq 10$, $Ni \leq 30$, $Cu \leq 5$, $Cr \leq 20$, $Fe \leq 150$, $Al \leq 50$, $P \leq 25$,
 $Si \leq 20$, and $C \leq 100$ ppm. Reduction with metallic Ca was chosen
by the Instytut badań jądrowych PAN (Nuclear Research Institute
PAS). The reaction is exothermic to the extent of -134 kcal/
mole U and theoretically occurs at $2240^\circ C$; in practice the temp-
erature is lower, depending on the scale of the process, heat
losses, etc. Initial reductions were carried out on a small
scale (1 kg UF_4) in the apparatus shown in Fig. 1, consisting
of a steel, water-cooled cylinder (1), closed by a lid (2) with

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an opening (1) to allow the hot vapors to escape. The steel reactor (9) was placed inside a second cylinder (3), on a support (6), and was lined with fluorite (10). The apparatus was filled with gas inlets (12) and outlets (7,8) and with a tube (4) for the electrical contacts which initiated the reaction. The lining was prepared by the method evolved at the Instytut chemii nieorganicznej w Gliwicach (Inorganic Chemistry Institute at Gliwice). Natural fluorite was crushed to less than 1 mm, leached with aq.HF, washed with distilled water and dried. Fluorite flour was then mixed with the minimum quantity of 1% starch solution in water, rammed into position and dried, raising the temperature to $\sim 300^{\circ}\text{C}$ over a few days. The lining was shaped to form a funnel-like cavity inside the reactor. A fluorite or graphite crucible was placed at the bottom to receive the molten U. The reactants were deposited, on a supporting thin Al sheet, in the conical part of the reactor cavity, above the U receptacle, in alternate layers (or mixed) using a 20 - 30% excess of Ca shavings. The charge was hand-rammed and a Kanthal wire heater,

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thickly covered with a mixture of Mg powder and $KClO_4$, was laid on top. Technical quality chemicals were used as the starting materials. The reaction was initiated electrically after filling the apparatus in argon and took place in a few seconds. Orifice (1) was then closed and the apparatus was cooled under argon. The product was porous (15 g/cm^3) and contained non-metallic inclusions. After remelting in a quartz crucible, at least 1400°C and at 10^{-3} mm Hg , a dense material (17.4 g/cm^3) free from inclusions was obtained. Experience gained with this apparatus allowed further investigations, using 10 - 20 kg. charges, to be carried out. The starting materials were of known, higher quality to allow an estimate of the purification attained. High purity Ca was obtained from the Instytut metali nieżelaznych, oddział metali lekkich w Skawinie (Institute of Non-Ferrous Metals, Light Metals Department in Skawina). The metal was used in the form of shavings, 3 mm. thick, a few cm. wide and 8 mm long. Reductions were carried out at a pressure of 1 mm Hg. 4 and 8.5 kg. ingots of U were obtained, the latter being non-porous and free from slag, of density 17.9 g/cm^3 . The amounts of

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impurities in the U are tabulated. 99% yields were obtained. It is stressed that the ingots were not entirely homogeneous chemically and were not of "nuclear purity". Remelting under vacuum would improve the product but Fe, Cu, Ni and Si would remain in comparatively high concentrations. Very high purity should be attainable with very pure starting materials, as no contamination is introduced during the calcio-thermic process. There are 6 figures, 1 table and 11 references: 6 Soviet-bloc and 5 non-Soviet-bloc. The references to the English-language publications read as follows: M. Benedict, Th.H. Pigford, Nuclear Engineering, New York, 1957, MacGraw-Hill, p. 145; J. Van Impe, Chem. Eng. Progress, 50, 230, (1954).

ASSOCIATION: Instytut badań jądrowych (Nuclear Research Institute)

SUBMITTED: June, 1960

Card 4/5

PEREC, Mieczysław; MUCHA, Franciszek; DEBINSKI, Apoloniusz

Experiments on the production of metallic uranium by the reduction of uranium tetrafluoride with the aid of metallic calcium. Nukleonika 5 no.9:559-568 '60.

1. Instytut Badań Jądrowych, Warszawa

L 20589-66 EPF(n)-2/EWP(t) IJP(c) ES/JD/WW/JG/RM

ACC NR: AP6012011

SOURCE CODE: PO/0046/65/010/02-/0575/0583

AUTHOR: Perec, Mieczyslaw--Perets, M.

ORG: Department of Technological Chemistry, Institute of Nuclear Research, Warsaw-Zeran (Zaklad Technologii Chemicznej, Instytut Badan Jadrowych)

TITLE: Production of uranium dioxide by the electrochemical reduction of U (VI) in sodium carbonate solutions at a mercury cathode. I. The reduction of U (VI) at a mercury cathode in sodium carbonate solutions

SOURCE: Nukleonika, v. 10, no. 9-10, 1965, 575-583

TOPIC TAGS: uranium, uranium compound, chemical reduction, polarographic analysis, electrochemistry

ABSTRACT: Investigations were made on the process of U(VI) reduction in the sodium carbonate solutions at a mercury cathode. The composition used was similar to that of the solutions resulting from the alkaline leaching of uranium-bearing raw materials. Polarographic studies, the character of current-time curves, determination of the influence of $\sqrt{N(CH_3)U}^+$ on the double layer differential capacity, and the reduction overpotential led to the conclusion that the cathodic reduction occurs without any preliminary dissociation of the carbonate-uranyl ion. The polarographic waves observed during the reduction process are of the one-electron type and do not represent the two-stage reduction of U(VI) producing UO_2 as the final product. The

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ACC NR: AP6012011

4
polarographic wave occurring at a more negative potential results from the reduction of the hydrolysis products of the $\text{UO}_2(\text{CO}_3)_3^{4-}$ ion. The author thanks Prof. Dr. S. Minc for making possible this work at this department on the differential capacity of the double layers. Further thanks is given to Dr. J. Jastrzebsky for valuable assistance on the measurements and discussions. Final thanks is given to Prof. Dr. Kemulo for making the current-time curves and to J. Malyszko for assistance with the measurements and for useful discussions. Orig.art. has: 6 figures and 1 table. NA

SUB CODE: 07 / SUBM DATE: 29Jun65 / ORIG REF: 001 / OTH REF: 016 / SOV REF: 001

Card 2/2 BK

L 22501-66 EPN(n)-2/EWP(t) IJP(c) ES/JD/WW/JG
 ACC NR: AP6011469 SOURCE CODE: PO/0046/65/010/011/0693/0703
 AUTHOR: Perec, Mieczyslaw—Perets, M. 42
 ORG: Department of Technological Chemistry, Institute of Nuclear Research, Warsaw-
 Zeran (Zaklad Technologii Chemicznej Instytut Badan Jadrowych) B
 TITLE: Production of uranium ^{VI}dioxide by electrochemical reduction of U(VI) in sodium
 carbonate solutions at a mercury cathode. II. Chemical processes occurring in
 carbonate solutions after the reduction of U(VI)
 SOURCE: Nukleonika, v. 10, no. 11, 1965, 693-703
 TOPIC TAGS: chemical reduction, uranium compound, uranium, chemical precipitation,
 ion exchange
 ABSTRACT: Investigations on the precipitation of UO_2 from carbonate solutions after
 the reduction of U(VI) were carried out with the use of polarographic techniques for
 process control. U(V) disproportionation in solutions of sodium carbonates was found
 to be reversible. At pH 9.5 the precipitation of hydrated UO_2 occurs between the
 U^{4+} ion present in equilibrium with the $[U(CO_3)_5]^{6-}$ complex and OH^- ions. At pH
 values over 10.6 the precipitation of UO_2 results probably from the exchange between
 the OH^- ions and the CO_3^{2-} groups in the aquo- and aquohydroxyuranium carbonate complexes.
 The U(V) and U(VI) ions do not take part in the process of precipitation of UO_2 .
 Orig. art. has: 7 figures, 4 formulas, and 4 tables. [NA]
 SUB CODE: 07 / SUBM DATE: 24Jun65 / ORIG REF: 002 / OTH REF: 003
 SOV REF: 003
 Cord 1/1 BK 2

SUKHOV, Konstantin Stepanovich, prof.; PEREDEL'SKAYA, N.M., red.;
SIDOROVA, V.I., red.izd-va; GRIGORCHUK, L.A., tekhn.red.

[General virusology] Obshchaia virusologiya. Moskva, Sovetskaya nauka, 1959. 235 p. (MIRA 13:7)
(VIRUSES)

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSING AND PROPERTY INDEX																			
AMS/A-B										M									
APR										1951									
2.4-157 SS1.170.4(67) <u>Hydrology</u> 2.4-157. [Annual march of the river stages in the east European plains.] <i>Geografia Pura e Applicata</i>, 16(1-2):18-16, Jan. March 1950. 7 figs. In French, French and English summaries p. 38. <u>SS1-BH</u>—The annual cycle of river stages on the Vistula, Dnieper, Volga, Dniester and Dnieper and their tributaries is shown graphically and various influences (temperature, snow melt, distance from winter, etc.) discussed. Effect of distance from the sea also considered. <u>Subject Headings</u>: River stages, <u>Hydrography</u>, U.S.S.R. - <u>A.R.</u>																			
ASH-15.4 METALLURGICAL LITERATURE CLASSIFICATION FROM SOURCE ISSUED BY ONLY ONE REVISIONS REVISIONS ONLY ONE																			

PEREBATOVA, M.A., kand.med.nauk; KUNITINA, Z.P.

Indices on the decrease of mortality from tuberculosis in Sverdlovsk, Perm and Ufa. Probl.tub. no.4:12-15 '61. (MIRA 14:12)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - prof. I.A. Shaklein, zam. dir. po nauchnoy chasti - kand.med.nauk N.G. Butkin). 2. Glavnyy vrach Sverdlovskogo gorodskogo protivotuberkuleznogo dispansera (for Kunitsina).

(URAL MOUNTAIN REGION--TUBERCULOSIS--STATISTICS)

GORBOVITSKIY, S.Ye.; PEREBATOVA, M.A.; KUNITSINA, Z.P.; ROSSOSHNYKH, G.F.

Results of work in the early detection of tuberculosis in children
in Sverdlovsk and Perm. Sov.zdrav. 18 no.9:21-25 '59. (MIRA 12:11)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta tuberkuleza
(dir. - prof. I.A. Shaklein). Sverdlovskogo gorodskogo protivotuberku-
leznogo dispansera (glavnyy vrach Z.P. Kunitsina) i Permskogo gorod-
skogo protivotuberkuleznogo dispansera (glavnyy vrach M.V. Tarasova).
(TUBERCULOSIS prev. & control.)

PEREBATOVA, M. A.

"Hospital Service for Children in Moscow and Quotas of Hospitalized Patients."
Sub 18 Dec 51, Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow
during 1951.

SO: Sum. No. 480, 9 May 55.

LIBERMAN, I.N.; PEREBATOVA, M.A.

Work practiced in lowering the incidence of tuberculosis at enterprises in the Sverdlovsk Province. Sov.zdrav. 12 no.6:26-33 N-D '53. (MLRA 6:11)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo tuberkuleznogo instituta (direktor - professor I.A.Shaklein).
(Sverdlovsk Province--Tuberculosis) (Tuberculosis--Sverdlovsk Province)

Perebatova, M.A.

GORBOVITSKIY, S.Ye., starshiy nauchnyy sotrudnik kandidat meditsinskikh nauk. PEREBATOVA, M.A. kandidat meditsinskikh nauk.

Results of the work in detecting active forms of tuberculosis in five towns of Sverdlovsk Province during the period 1950-1953.
Probl. tub. no.6:5-8 N-D '55. (MLRA 9:2)

1. Iz Sverdlovskogo oblastnogo nauchno-issledovatel'skogo tuberkuleznogo instituta (dir.-prof. I.A. Shaklein)
(TUBERCULOSIS, statist.
in Russia, in Sverdlovsk region)

PEREBAYLOV, V.

Adapting the "Liubitel" camera to motion-picture film.
Znan.sila no.12:suppl.1 D '54. (MLRA 8:1)
(Cameras)

MIROK'YAN, L., master sporta, glavnyy trener; PEREBERIN, E., master sporta.

Results of the shooting championship of the All-Union Volunteer Society
for Assistance to the Army, Air Force, and Navy. Voen.znan. 29 no.9:4-5
S '53. (MLRA 6:12)

1. Kollektiv strelkov Rossiyskoy Sotsialisticheskoy Federativnoy Respubliki
(for Mirok'yan). (Shooting, Military--Competitions)

PEREBEYNOS, F.G.

AUTHOR: Perebeynos, F.G., Driller 92-58-3-7/32

TITLE: Replacement of Wire Rope (0 smene talevogo kanata)

PERIODICAL: Neftyanik, 1958, Nr 3, p 7 (USSR)

ABSTRACT: Referring to the article published in P.: Neftyanik, Nr 10, 1957, under the title "Fitting for Replacement of Wire Rope", the author points out that in replacing a wire rope his drilling team follows a different procedure which takes much less time than the method described in this article. He states that even with the observance of all safety precautions the replacement of a wire rope by his procedure takes altogether 1 hour 50 minutes, instead of the 7 hours allowed for this operation. Within this time it is possible to complete all operations necessary to install the new rope and remove the old. An additional 2 hours and 50 minutes are needed to complete auxiliary operations beforehand. Eight men, and occasionally twice that number, were

Card 1/2

Replacement of Wire Rope

92-58-3-7/32

previously needed to replace the wire rope and considerable time was spent in reeling the new rope and unreeling the old one.

ASSOCIATION:Kontora bureniya Nr 2 Tatburneft' (Nr 2 Drilling Office of the Tatburneft')

AVAILABLE: Library of Congress

Card 2/2

PERREBYNOS, I.S.

Changing the shape of teeth on excavator buckets. Rats. 1 izobr.
predl. v stroi. no.3:38 '57. (MIRA 11:1)
(Excavating machinery)

PEREBEYNOS, M.V., inzhener.

~~Building a combined brick and shell rock wall.~~ Biul.stroi.tekh. 10 no.11:
14 Je '53. (MIRA 6:8)

1. Odesskoye otdeleniye Teploelektroproyekta.

(Walls)

MARUSHKO, Fedor Ivenovich, dotsent, kand.tekhn.nauk; PEREBOROV, Aleksandr
Sergeyevich, dotsent, kand.tekhn.nauk; BYLER, Aleksandr Alek-
sandrovich, dotsent, kand.tekhn.nauk; VOLKOV, Vyacheslav Fedoro-
vich, starshiy prepodavatel'; MARHNEKOVA, G.I., inzh., red.;
VERINA, G.P., tekhn.red.

[Automatic and remote control in railroad transportation] Avto-
matika i telemekhanika na zheleznodorozhnom transporte. Moskva,
Gos.transp.shel-dor.izd-vo, 1959. 397 p. (MIRA 13:2)
(Railroads--Automatic train control)
(Railroads--Signaling)

18.3200

7804C

SOV/130-60-3-9/23.

AUTHORS: Kondrat'yev, Ye. M., Perebeynos, V. F.

TITLE: Design Improvement of Open-Hearth Roof Suspension

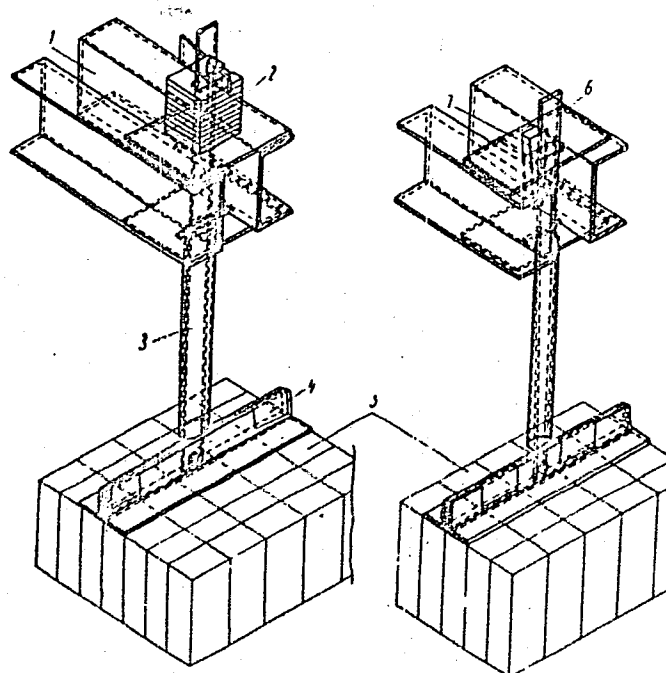
PERIODICAL: Metallurg, 1960, Nr 3, pp 13-14 (USSR)

ABSTRACT: In the open-hearth shops of the Stalino Metallurgical Plant (Stalinskiy metallurgicheskiy zavod) a new design of roof suspension was developed (Fig. 1). The authors suggested changing the old suspension unit. Two wedges working on the self-wedging principle and protecting the roof from sagging are shown in Fig. 2. On the basis of long operation, the following advantages were established: (1) The initial fastening of the roof is made after hammering out the supporting forms before primary heating. (2) There is no need for intermediate fastening of the roof during operation between repairs. (3) Considerable economy in hangers and wedges is achieved due to repeated use of them after general overhauling. There are 2 figures.

Card 1/4

Design Improvement of Open-Hearth Roof
Suspension

78040
SOV/130-60-3-g/23



Card 2/4

Fig. 1.

Design Improvement of Open-Hearth Roof Suspension 78040

SOV/130-60-3-9/23

Fig. 1. Suspended structure of roof supports (left--old design; right--new design). (1) cross channel; (2) lining block; (3) distance tube; (4) supporting angles; (5) roof; (6) wedge-shaped hanger; (7) tightening wedge with a slot.

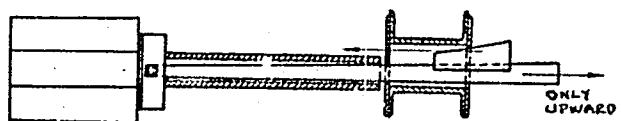


Fig. 2. Diagram of wedge action.

Card 3/4

Design Improvement of Open-Hearth Roof Suspension 78040
SOV/130-60-3-9/23

ASSOCIATION: Stalino Metallurgical Plant (Stalinskiy metallurgicheskiy zavod)

Card 4/4

PEREBOROV, A.S., kand.tekhn.nauk, dotsent; YEFIMOV, V.Yu., inzh.

Adapters for coupling control computers and CTC systems in automatic
train traffic control. Sbor. trud. LIIZHT no.205:21-27 '63.
(MIRA 18:1)

PERMBOROV, A.S., assist., kand. tekhn. nauk.

Comparing the methods of direct and coded control in designing
relay centralized control of switches and signals. Sbor. nanch.
trud. IETIIZHT no.5:33-46 '53. (MIRA 11:3)
(Railroads--Signaling--Interlocking system)

LUPAL, Nikolay Vasil'yevich, professor; ~~PEREROROV~~, Aleksandr Sergeyevich, dotsent; BATHNIKOV, Vladimir Dmitriyevich, inzhener; ~~SADOV~~, Viktor Nikolayevich, dotsent; GAMBURG, Ye.Yu., redaktor; RAKITO, E.I., redaktor; KHITROV, P.A., tekhnicheskii redaktor

[Automatic control and telemechanics at railroad stations; remote control of switches and signals] Avtomatika i telemekhanika na stantsiakh; teleupravlenie strelkami i signalami. Pod obshch. red. N.V. Lupala. Moskva, Gos. transp. zhel-dor. izd-vo, 1956. 395 p.
(Railroads--Signaling) (MLBA 9:12)
(Railroads--Switches)
(Remote control)

CHETVERIKOVA, Yevdokiya Aleksandrovna; PEREBOROV, Aleksandr Sergeyevich;
RAKITO, E.I., redaktor; VERINA, G.F., tekhnicheskiy redaktor

[General course on railroad signaling, centralization and block-
systems] Obshchii kurs signalizatsii, tsentralizatsii i blokirovki.
Moskva, Gos. transp. zhel-dor. izd-vo, 1956. 310 p. (MIRA 9:8)
(Railroads--Signaling)

PEREPOROV, Aleksandr Sergeevich, kand. tekhn. nauk; SEDOV,
Viktor Nikolayevich, kand. tekhn. nauk; RATNIKOV,
Vladimir Dmitriyevich, inzh.; KARVATSKIY, S.B., kand.
tekhn. nauk, retsenzent; GLUZMAN, I.S., red.

[Remote control of switches and signals] Teleupravlenie
strelkami i signalami. Moskva, Transport, 1965. 383 p.
(MIRA 18:8)

L 29719-66 EEC(k)-2/EWP(k)/ENT(1)/FED/T IJP(c) WG/GW

ACC NR: AP6016918

SOURCE CODE: UR/0006/66/000/005/0009/0015

AUTHOR: Golosov, V. V.; Gordeyev, D. V.; Ostapchenko, Ye. P.; Perebyakin, V. A.; Khomaza, V. F. 69
B

ORG: none

TITLE: Possible use of gas lasers in high-precision measurements of distances

SOURCE: Geodeziya i kartografiya, no. 5, 1966, 9-15

TOPIC TAGS: ^{GAS LASER} optic range finder, ^{LASER APPLICATION} ~~laser range finder~~ SG-2M OPTIC RANGE FINDER, LG-55 GAS LASER

ABSTRACT: The authors describe experiments in which the light source of a precision optical range finder (SG-2M) was replaced by a small gas laser. The purpose of the experiment was to increase the accuracy of distance measurements with such a range finder and to permit its use under daylight conditions. Another advantage of the laser is that it delivers a beam of much narrower spectral width. The gas was a mixture of helium and neon operating at 6328 Å and delivering not less than 1 mW. The measurements were made of distances of the order of 3 km in sunlight and during twilight. In daylight, when the ordinary light source could not be used, the mean square measurement accuracy was ±2.4 mm, and in twilight, ±1.3 mm. Equipping the range finder with a laser approximately doubled the maximum distance measurable at night. The requirements that must be satisfied by the laser are specified, and it is found that the LG-55 developed by one of the MEK SSSR enterprises is the most suitable for this purpose.

Card 1/2

UDC: 528.021.7 - 187.4: 621.378.325

PEREC, M.

M

*Investigations on the Electrodeposition of Manganese.
[—L-IL]. M. Percec. (Prace Badawcze Glownego Inst. Met. i

Odszwiczenia, 1949, 1, (2), 131-138; 1950, 2, (2), 93-99.—
[In Polish]. [I.—] P. first outlines the theoretical bases of
the electrodeposition of Mn. In the presence of NH_4 or of
 NH_4 salts the cathodic polarization curves are displaced in
the direction of greater negative potentials. This shows
that the concentration of the simple ion in the soln. decreases
and enables the ratio of concentration of complex ion to simple
ion to be calculated. The effect has been determined of
varying: (a) the concentration of NH_4 salts, (b) the concn-
tration of Mn salts, and (c) time of electrolysis. Observation
of the effect of inhibitors on the course of electrolysis indicates
that they are not adsorbed on the Mn, but they reduce the
number of dendrites formed during deposition. The dis-
advantage of inhibitors lies in the fact that they cause an
increase in the S content of the Mn deposit. The presence
of inhibitors also leads to a periodic structure in the deposit,
with alternate layers of pure Mn and metal rich in S; this
is due to the periodic variation of the ratio of the S ion to the

Mn ion. [II.—] The effect of Fe^{2+} , Fe^{3+} , Pb^{2+} , Ni^{2+} , and
 Cu^{2+} ions on current efficiency has been studied. It was
found that after 5 hours' electrolysis 1.5 mg./l. Co^{2+} or 2.5
mg./l. Ni^{2+} had reduced the current efficiency by 50%. Co
proved the most deleterious impurity; at concentrations
of 2 mg./l. it dissolved nearly all the Mn. Potential measure-
ments on electrodes with partially dissolved Mn showed that
at pH = 8, Co is deposited on the cathode and a cell is set
up in which Mn dissolves, being the anode. Cathode polariza-
tion curves taken in a soln. contg. $(\text{NH}_4)_2\text{SO}_4$ (130 g./l.)
and Na_2SO_4 (0.35 g./l.), using smooth cathodes of acid-
resisting steel on which powdery Co had been deposited,
showed that in this form Co markedly reduces the H over-
voltage. It is inferred from this that in baths contg. small
amounts of Co, H-Mn cells are set up in which Mn acts as
the anode. The H electrode reduces the polarization of the
cathode and prevents deposition of Mn; H is vigorously
evolved instead. A rapid polarographic method for the detn.

of Co in soln. used for the electrolytic prodn. of Mn has been
worked out.—N. B. V.

A.S.M. S.E.A. METALLURGICAL LITERATURE CLASSIFICATION

E-2

PEREC, M.

Electrodeposition of manganese. M. Perec (*Prace Badaw. Glown. Inst. Met. Odzow.*, 1949, 1, 131-138; 1950, 2, 93-99; *Metal Absr.*, 1951, 10, 363).—The theory of electrodeposition of Mn is outlined. In presence of NH_4 or NH_3 salts the cathodic polarisation curves are displaced in the direction of higher negative potential, i.e., the concn. of simple ion in solution decreases; this enables the ratio complex : simple ion concn. to be calculated. The effect of varying the concn. of NH_4 or Mn salts and the period of electrolysis, and the action of inhibitors were studied. Inhibitors are not adsorbed on the Mn, but they reduce dendrite formation. They increase the S content of the Mn and give rise to a periodic structure (alternate layers of Mn and Mn rich in S) due to periodic variation of the ratio S ion : Mn ion. The effect of Fe^{2+} , Fe^{3+} , Pb^{2+} , Ni^{2+} and Cu^{2+} ions on current efficiency was studied. After electrolysis for 5 hr, a concn. of 1.5 mg. of Co^{2+} per l. or 2.5 mg. of Ni^{2+} per l. reduces the current efficiency by 50%. Co is the most harmful impurity; at a concn. of 2 mg. per l. nearly all the Mn is dissolved. Potential measurements on electrodes with partly-dissolved Mn showed that at pH 8 Co is deposited on the cathode, a cell being set up in which Mn (as anode) dissolves. Cathode polarisation curves taken in a solution containing $(\text{NH}_4)_2\text{SO}_4$ 130 and Na_2SO_4 9.35 g. per l., using smooth cathodes of acid-resisting steel on which powdery Co had been deposited, showed that Co in this form markedly reduces the H overvoltage. It is concluded that in baths containing small

amounts of Co, H-Mn cells are set up in which Mn acts as anode. The H electrode reduces the polarisation of the cathode and prevents deposition of Mn; H_2 is evolved vigorously instead. A rapid polarographic method for determining Co in solutions used for the electrolytic production of Mn is given.
R. B. CLARKE.

B

PEREC, M.

**Investigation of Electrodeposition of Manganese.
Part II. (In Polish.) M. Perce. Prace Badawcze Glownego Instytutu Metalurgii i Golewnictwa, v. 2, no. 2,
1950, p. 63-69.**

Effects of Fe⁺⁺, Fe⁺⁺⁺, Pb⁺⁺, Ni⁺⁺, and Cu⁺⁺ ions on current efficiency in the above were investigated. Cathodic polarization curves were determined for a bath with Co additions, and for (NH₄)₂SO₄ and Na₂SO₄ baths. Describes rapid polarographic method for Co determination in the bath for hydrometallurgy of Mn.

ASNT SLA METALLURGICAL LITERATURE CLASSIFICATION

SERIAL NO.	AUTHOR	TITLE	PUBLICATION DATE	COUNTRY OF ORIGIN
1	M. PERCE	INVESTIGATION OF ELECTRODEPOSITION OF MANGANESE PART II	1950	POLAND

PEREC, M.

B

Reduction of Pyroclastic Ore by Pyrite, Coke, Sulfur Dioxide, or Ferrous Sulfate. (In Polish) M. Bexen, Dioxido, or Ferrous Sulfate. (In Polish) M. Bexen, and K. Pukalski. *Prace Badawcze Górnictwa i Hutnictwa*, v. 2, no. 3, 1950, p. 187-195.

Outlines difficulties involved in use of pyrite, coke, or SO_2 for the above. Points out advantages of use of hydrated ferrous sulfate (available from waste pickling solutions). Experiments were made on the latter process. Conditions necessary for quantitative reduction of MnO_2 to $MnSO_4$ were established. Difficulties connected with separation of $Fe(OH)_2$ were eliminated by transforming the flocculent form into a fine granular one by superheating at elevated temperatures and pressures. On the basis of satisfactory results obtained, a complete scheme for production of electrolytic Mn is proposed including reduction of ore, purification of solution, and regeneration of NH_4 . 10 ref.

ABX-51A METALLURGICAL LITERATURE CLASSIFICATION

1300M BOWING
611117 ONE ONE 151

M PEREC, M.

6-7

*The Effect of Organic Additions on the Structure of Lead Deposited Electrolytically from a Lead Acetate Bath. M. Perce (*Prace Olszowego Inst. Met.*, 1951, 2, (3), 217-231).—[In Polish]. The theories of adsorption of organic compounds on a polarized cathode are reviewed. The effects of glue, gelatine, diphenylamine, phenol, and β -naphthol on the reduction of the Pb^{++} ion in an acetate soln. have been investigated with the use of polarograms and cathodic-polarization curves. A definite displacement of the polarization curve has been noted only when both β -naphthol and glue have been added to the bath. For a given concentration of glue, polarization increases with increasing β -naphthol content; at a given β -naphthol concentration, changes in glue content within the range 0.5-10 g./l. have no effect on polarization. The absence of complex compounds of the ion-colloid type indicated by the polarograms, points towards the adsorption of the polar compounds and blocking of the already adsorbed compounds by glue. In the presence of glue the effectiveness of admixtures on the yield increases in the order: diphenylamine, phenol, β -naphthol. The following bath is found to have practical importance: Pb (as lead acetate) 120, CH_3COOH 20, β -naphthol 4, and glue 2 g./l. Temp. 20°-25° C., c.d. 0.01-0.015 amp./cm.². 14 ref.

—A. G.

6 mar. 1952

~~PERECHOD~~, V.

Fundamentals of the economic theory of forests. p. 289.

LESNICKY CASOPIS. Bratislava, Czechoslovakia. Vol. 5, no. 5, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

PEREDARII, L.

Determination of "GP" gypsum of great strength and instruction on the organization of its use in the building industry. Tr. from the Russian. p. 70.
(EPITOANYAG. Vol. 9, no. 2, June, 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

PEREDARTJ, I. A.

HUNGARY/Chemical Technology - Chemical Products and Their
Application, Part 2. - Ceramics, Glass, Binders,
Concretes. - Binders, Concretes and Other Silicate
Building Materials.

H-12d

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22226

Author : I.A. Peredarij

Inst :

Title : Proposals Concerning Determination and Production of
Highly Strong "GP" Plaster-of-Paris and Its Use in Building.

Orig Pub : Epitbanyag, 1957, 9, No 2, 70-74

Abstract : The initial data for planning plaster-of-Paris works, and
for the technology and control of the production are pre-
sented. Questions concerning the production of construc-
tion elements (load carrying girders, wall blocks, etc.)
of plaster-of-Paris with and without various additions are
discussed.

Card 1/1

Card 1/2

PEREDELISHY, A. A.

"Hormones Regulating Metamorphosis in Invertebrates on
the Metamorphosis in Vertebrates," Dok. AN, 27, No. 6, 1940
Lab. for the Problem of Organisers of Development. Acad.
Sci. -cl940-.

"On the Lifetime Control," Dok.AN, 27, No. 6, 1940.

PROZINA, Mariya Nikolayevna; PEREDEL'SKAYA, N.M., red.; SIDOROVA, V.I.,
red.izd-va; MURASHOVA, V.A., tekhn.red.

[Botanical microtechnique] Botanicheskaya mikrotekhnika. Moskva,
Gos.izd-vo "Vysshaya shkola," 1960. 205 p. (MIRA 13:9)
(Microscopy--Technique)

USPENSKIY, S.M.; GLADKOV, N.A., redaktor; PEREDEL'SKAYA, N.M., redaktor;
POLYAKOVA, T.V., tekhnicheskii redaktor.

[Seashore bird colonies on Novaya Zemlya] Ptich'i bazary Novoi
Zemli. Moskva, Izd-vo Akademii nauk SSSR, 1956. 177 p.
(Novaya Zemlya--Birds) (MIRA 9:6)

PEREDEL'SKAYA, N. M.

PA 38T70

USSR/Medicine - Growth - Plants
Medicine - Light - Effects

Nov 1947

"Relationship of Mitogenetic Regime of Growth to Visible Light," N. M. Peredel'skaya, Institute of Experimental Biology, Academy of Medical Sciences of the USSR, 4 pp

"Dok Ak Nauk" Vol LVIII, No 5

Author explains her experiments, the methods used, and the results obtained from both series of experiments. States that she was able to determine that plants are capable of transforming the absorbed energy from the visible light spectrum into forms of mitogenetic photons having twice as much energy. Submitted by Academician N. A. Maksimov, 14 Apr 1947.

38T70

Sci Secy, Inst. Exptl. Biol, AMS USSR.

PEREDEL'SKAYA, N. M.

USSR/ Biology - Plant physiology

Card 1/1 Pub. 22 - 36/40

Authors : Peredel'skaya, N. M.

Title : The role of chlorophyll and carotene in the process of visible light transformation by plants into mitogenetic radiation

Periodical : Dok. AN SSSR 99/3, 471-473, Nov 21, 1954

Abstract : The problem of whether the ability of plants to transform visible light into radiant energy (mitogenetic radiation) is connected with the entirety of the plant or whether this process occurs only in isolated plant tissues and cells was investigated. The role of chlorophyll and carotene in this visible light transformation process is explained. One USSR reference (1947). Table.

Institution: Academy of Medical Sciences USSR, Institute of Experimental Biology

Presented by: Academician A. L. Kursanov, September 24, 1954

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239930007-7"

akademik, otvetstvennyy redaktor; PEREDEL'SKAYA, N.M., redaktor
izdatel'stva; ASTAP'YEVA, tekhnichaskiy redaktor

[The nematode Ditylenchus destructor in potatoes and methods of
controlling it] Steblevaia nematoda kartofelia i mery bor'by s neiu.
[Moskva] Izd-vo Akademii nauk SSSR, 1956. 110 p. (MIRA 9:10)
(Potatoes--Diseases and pests) (Nematoda)

ZHADIN, Vladimir Ivanovich, prof.; PEREDEL'SKAYA, N.M., red.;
PARSADANOVA, K.G., red.izd-va; MURASHOVA, V.A., tekhn.red.

[Methods of hydrobiological research] Metody gidrobiologicheskogo issledovaniia. Moskva, Gos.izd-vo "Vysshiaia shkola,"
1960. 188 p. (MIRA 14:2)
(Hydrobiological research)

GAL'PERIN, Solomon Il'ich, prof.; PEREDEL'SKAYA, N.M., red.;
PARSADANOVA, K.G., red., izdpva; VORONINA, R.K., tekhn. red.

[Neurohumoral regulation in vertebrate animals] Neuro-gumo-
ral'nye reguliatsii u pozvonochnykh zhivotnykh. Moskva, Gos. izd-vo
"Vysshaia shkola," 1960. 341 p. (MIRA 14:6)
(NERVOUS SYSTEM)

BEREZINA, Mariya Pavlovna; VASILEVSKAYA, Natal'ya Yefimovna; AVERBAKH, Mikhail Solomonovich; VETYUKOV, Ivan Alekseyevich, dots.; GOLIKOV, Nikolay Vasil'yevich; GULYAYEV, Pavel Ivanovich; ZHUKOV, Yevgraf Konstantinovich; LATMANIZOVA, Lyudmila Vladimirovna; MAKAROV, Petr Osipovich; NIKITINA, Iya Pavlovna; SPERANSKAYA, Yekaterina Nikolayevna; VASIL'YEV, L.L., prof., red.; PEREDEL'SKAYA, N.M., red.; PARSADANOVA, K.G., red. izd-va; GRIGOR-CHUK, L.A., tekhn. red.

[Comprehensive laboratory manual of human and animal physiology] Bol'shoi praktikum po fiziologii cheloveka i zhiivotnykh. Izd.2., ispr. 1 dop. Moskva, Gos. izd-vo "Vysshaya shkola," 1961. 674 p. (MIRA 14:8)
(PHYSIOLOGY—LABORATORY MANUALS)

PEREDEL'SKAYA, N.M.

YARCSHENKO, M.F.; DIMO, H.A., otvetstvennyy redaktor; PEREDEL'SKAYA, N.M.,
redaktor izdatel'stva; POLESITSKAYA, S.M., tekhnicheskii redaktor

[Aquatic fauna of the Dniestr River] Gidrofauna Dnestra. Moskva,
Izd-vo Akad.nauk SSSR, 1957. 167 p. (MIRA 10:10)
(Dniester River--Fresh-water fauna)

PEREDACHA, V. M.

MYABCHIKOV, P.I.; NIKITIN, V.N., otvetstvennyy redaktor; ~~REDAKTOR~~
redaktor izdatel'stva; ABRAPIYAVA, T.A., tekhnicheskiy redaktor

[Distribution of marine borers in Soviet waters] Rasprostranenie
drevotochtsev v moriakh SSSR. Moskva, Izd-vo Akad.nauk SSSR,
1957. 228 p. (MLRA 10:10)
(Marine borers)

PEREDEL'SKIY A.A.

COUNTRY : USSR
 CATEGORY : General and Specialized Zoology. Insects. P
 Harmful Insects and Acarida.
 ABS. JOUR. : VZhPriol., No. 23, 1958, No. 105403
 AUTHOR : Peredel'skiy, A.A., Rumyantsev, P. D., Rodionova, L. L.,*
 INST. : ~~Academy of Sciences, USSR~~
 TITLE : Ionizing radiation as a means of the control of insect
 pests of stored grain.
 ORIG. PUB. : V sb.: Izuch. shivovn. organizm., L., AN USSR, 1958,
 230-233
 ABSTRACT : No abstract.

Card: 1/1

* Bibergal' A. V., Pertsovskiy, Ya. S.

12

PEREDEL'SKIY, A.A.; BOGATYREV, I.O.

Radioisotope dispersal by aquatic insects. Biol. MOIP. Otd. biol.
 64 no.2:150 Mr-Apr '59. (MIRA 12:10)
 (Radioactive waste disposal) (Insects, Aquatic)

COUNTRY : USSR
 CATEGORY : Forestry. Forest Cultures. X
 ABS. JOUR. : RZhBiol., No. 23 1958, No. 104556
 AUTHOR : Peredel'skiy, V. U.
 INST. : ~~Novosibirsk~~
 TITLE : Shelterbelt Silviculture on Virgin Lands of Western Siberia

ORIG. PUB. : Lesn. kh-vo, 1958, No. 3, 48-51

ABSTRACT : Attention is directed to the great scientific and practical interest commanded by the system of protective stands composed of poplar and birch which lie on the fields of the Novosibirsk Experimental Station and in a number of other places. The effectiveness of protective forest stands of pine along the railroad track in the Altayskiy kray on weakly-solonchaks southern chernozems is noted. Recommendations are presented for the selection of principal and associated species for protective forest stands, and information is also given on the agrotechnology of the cultures.--L. V. Nesmelov

Card: 1/1

FEREDEL'SKY, A. A.

"Secretory-acting nerve cells in the invertebrates." (p. 563) by Peredel'sky, A. A.

SO: Advanced in Contemporary Biology (Uspekhi Sovremennoi Biologii) Vol. VI, No. 3 1937

PEREDEL'SKY, A.

"Effect of vertebrata-hormones on the invertebrata." (p. 441) by A. Peredel'sky

SO: Advances in Contemporary Biology (Uspekhi Sovremennoi Biologii) Vol. VIII, No. 3, 1938

PEREDEL'SKY, A. A.

"Endocrinology of Invertebrata" (p. 51) by Peredel'sky, A. A.

SO: Advances in Contemporary Biology, (Uspekhi Sovremennoi Biologii), Vol. X, No. 1,
1939

[illegible]

PEREDEL'SKY, A. A.

"The Regenerative and Tumour Growths and not Identical,
but They are not Antagonistic Either," Dok. AN, 32, No. 6,
1941. Lab. Problem Dev. Organizers; Acad. Sci. Moscow,
-c1941-.

PEREDEL'SKY, A.A.

"Physiologically Active Substances of Skin" (p.112) by A.A. Peredel'sky (Moscow)

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. XV, 1942, No. 1

PEREDEL'SKI, A.

"Organisers and Genes" (p.249) by S. Waddington and A. Peredel'sky

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. XV, 1942, No. 2

PEREDEL'SKY, A. A.

"Biochemistry and Morphogenesis" (p. 353) by Needham, J. (Cambridge University Press, 1942, 767 pages) and reviewed by Peredel'sky, A. A.

SO: Advances in Contemporary Biology (Uspekhi Sovremennoi Biologii) Vol. 17, 1944, No. 3

PEREDEL'SKIY, A. A.

"Riverbottoms as Areas, and Floods as Factors of
the Evolutionary Process" Iz. Ak. Nauk SSSR,
Ser. Biol. 6, 1948. Inst. of Evol. Morphologh, in
A. N. Severtsov, Acad. of Sci. -c1948-.

1 Mar 1948

USSR/Medicine - Turtles
Medicine - Population

"Several Considerations on Dynamics of the Number of
Harmful Turtles (Eurygaster integriceps Put.)," A.
A. Peredel'skiy, Inst Evolutionary Morphol imeni
A. N. Severtsov, Acad Sci USSR, 4 pp

PA 7157

"Dok Akad Nauk SSSR, Nova Ser" Vol LIX, No 7

Having shown earlier that in each concrete case and
in each period of time, character and causes of the
high as well as the low number of turtles can be
very peculiar and nonrecurring, author tried to
study this question especially for Stalingrad
Oblast. Character, period, and causes of dynamics

4757

1 Mar 1948

USSR/Medicine - Turtles (Contd)

of the number of harmful turtles in recent years
even in this one oblast not the same for different
parts of the oblast and even more varied for other
years and other oblasts. Migration of turtles shown
to be more important than supposed for flat areas.
Submitted by Academician I. I. Simal'gauzen, 6 Jan
1948.

4757

PERDEL'SKIY, A. A.

PEREDEL'SKIY, A. A.

PA 39/49T90

USSR/Medicine - Insects, Eradication
Medicine - Floods

Apr 49

"Experimental Research on the Adaptability of Insects
to Floods," A. A. Peredel'skiy, Inst of Animal
Morph imeni A. N. Severtsov, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LXV, No 5

Spring observations from a boat during ice conditions
and floods showed that mature beetles generally
emerged from their winter's sleep only after they
were washed out. Cautions against overoptimism
in hoping for sterilization of river valleys against
a number of destructive insects by cold spring flood
waters. Submitted by Acad K.I. Skryabin, 15 Jan 49,
39/49T90

PEREDEL'SKIY, A. A.

PA 54/49T8

USSR/Biology - Grain Insects
Biology - Entomology

Jul 49

"Basis for a New Method of Foretelling the Number
of Grain Insects by Injuries to the Kernel," A. A.
Peredel'skiy, Inst of Plant Morph imeni A. N.
Severtsov, Acad Sci USSR, 3 pp

"Dok Ak Nauk SSSR" Vol LXVII, No 2

Gives percentage table for healthy kernels and ker-
nels injured at given points. Further data may be
obtained by comparing these points with figures
for previous years and other means. Submitted by
Acad K. I. Stryabin 25 Apr 49.

54/49T8